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(54) Title: SLURRY OF AGRICULTURAL FIBRES AND ITS PRODUCTS

(57) Abstract: Environmental friendliness and biodegradability are important considerations of disposable materials, be it packaging or paper, in order to minimize environmental damage. The present invention relates to a method of producing environmental friendly and biodegradable products using mechanically processed agricultural fibres and rightly formulated adhesive. In particular, mechanical treatment takes place in a pressure vessel under hydrothermal conditions using superheated steam. Treated agricultural fibres are mixed with stoichiometric amount of adhesive, through vigorous agitation, a well furnished agricultural fibre slurry is obtained and ready to be fed into manufacturing process to produce, in this invention, moulded shape bodies and paper liners. Unlike synthetic resin, the said adhesive formulation is biodegradable and made of natural renewable resources. The said adhesive has self-retention property. The agricultural fibre slurry can be easily made into moulded products and paper liners using commonly available processes.

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